

Unit 5: Quantitative Techniques for Business

MAGIC MOMENTS

The following data in table 1 gives the number of boxes of sweets produced by a packing machine at the Rowntrees factory each hour over the past 80 hours and table 2 gives the weights of 60 of these boxes

184	250	136	178
231	158	197	159
141	215	178	168
218	175	188	164
223	220	178	197
156	189	214	202
124	136	215	219
177	186	156	143
298	256	238	159
175	145	204	187
231	203	157	149
218	215	178	193
197	154	136	241
231	187	154	194
136	257	246	231
123	258	267	297
145	265	236	198
147	215	124	154
235	298	267	275
222	199	145	275

101.2	104.3	102.2	106.9
99.5	109.8	107.2	103.5
101.4	99.8	100.1	102.5
103.2	105.4	105.3	103.3
105.2	107.9	106.5	100.3
108.7	99.9	98.7	104.5
105.4	102.6	103.8	108.4
108.7	99.8	98.6	105.6
104.5	105.6	99.8	99.7
100.2	110	99.8	99.6
100.5	105.6	104.2	102.7
100.7	105.8	109.7	110
110	100.2	100	99.7
104.5	106.7	107.2	109.4
104.4	105.5	102.4	108.8

Look at the data in both tables. Can you deduce anything about the how many boxes are produced each hour or the weight of each box. Would it help if ungrouped frequency tables were used?

